

Remarks/Arguments

Reconsideration of this application is respectfully requested.

Claims 1-7 are pending in this application.

Claims 1, 2, 5 and 7 stand rejected under 35 U.S. C. 102(b) as being anticipated by Schulte et al. (5,921,010). As currently presented, claim 1 is thought to define patentably over Schulte et al. and over US patent application publication US 2002/0001516, dated 03 January 2002.

Specifically, among other structure claim 1 requires first and second safety valves to be coupled in parallel with each other between a directional control valve and a first pressure chamber of a hydraulic actuator coupled for adjusting a tool about a pivot axis established between the tool and a boom. The first and second safety valves are each normally located in first conditions preventing flow of fluid from the first pressure chamber in the direction of the direction control valve. The first valve is shifted to a second position, in response to pressure in at least the first pressure chamber, wherein it establishes a fluid path to the directional control valve from the first pressure chamber, and the second safety valve is remotely operable to a second position wherein it establishes a path for permitting fluid to flow to and from the first pressure chamber. Accordingly, the second safety valve may be operated to open an extra path through which fluid may flow when the direction control valve is operated to effect operation of the cylinder and in that way speed up the movement of the cylinder.

Schulte et al. disclose a tool in the form of a scraper blade 12 that is mounted to a strut 24 for pivoting about an axis 26. A hydraulic cylinder is coupled between the strut 24 and the blade 12 for selectively effecting movement of the blade between a lowered working position, as shown in solid lines in FIG. 2 and a raised position, shown in dashed lines at 12b in FIG. 2. A directional control valve 18 is coupled for controlling the flow of fluid from a pump 16 and a to a reservoir 64 respectively to and from opposite chambers 50 and 52 of the hydraulic cylinder 14 for the purposes of moving the blade 12 between its working and raised positions. An accumulator 22 is coupled to the chamber 50 and a manually operable shut-off valve is coupled to selectively establish or block fluid communication between the directional control valve 18 and the cylinder 14 and the accumulator 22. **No second**

**safety valve is mounted in parallel with the valve 94.**

Newly cited patent application publication no.: US 2002/0001516 discloses (FIGS. 1 and 2) a lift cylinder 20 coupled between a loader frame 10 and a boom 16. A directional control valve 40 is provided for routing fluid to and from first and second pressure chambers 25 and 26, respectively, of the cylinder 20. A hose burst check valve 39 is provided between the control valve 40 and the cylinder 20 for preventing fluid loss from the pressure chamber 25 in event the flexible hose 38b should burst, but permits fluid to flow to the chamber 25 by operation of the control valve 40. Accumulators 30 are coupled to the by a solenoid operated control valve 32 which normally permits flow only in the direction of the pressure chamber 25 from the accumulators 30, but is responsive to electrical current so as to establish a free fluid path between the chamber 25 and the accumulators 30. **No second safety valve is mounted in parallel with the valve 39.**

Thus, neither of the above described references has the required second safety valve. Therefore, claim 1 is thought allowable.

Claim 2 has been cancelled.

Claims 5 and 7 depend from claim 1 and are likewise thought allowable.

Claim 6 stands rejected under 35 U.S. C. 103(a) as being unpatentable over Schulte et al. Claim 6 depends from claim 1 and is thought allowable for the reasons stated above for the allowance of claim 1 over Schulte et al. and the published application.

In conclusion, it is believed that this application is in condition for allowance, and such allowance is respectfully requested.

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Respectfully,

  
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